FLIPPED CLASSROOM FOR BEGINNERS

http://bit.ly/2mMxuTF
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#WSSTFlipped

Just a normal teacher like you!

- About 200 kids in the HS, 600 students K-12
- Not 1:1, but close
- Google Classroom new to me
- Currently teach Chemistry, A & P, Physics
- Have used the Flipped model in Chem and Biology
What Don’t You LOVE About A Traditional Classroom Model?

Mentimeter
Then Vs Now

1917 Ford Truck

2017 Ford Truck
Then Vs Now

1917 Telephone

2017 “Telephone”
Then Vs Now

1917 Bathing Suit

2017 “Bathing Suit”

Probably not so school appropriate...
Then Vs Now

1917 Classroom
Then Vs Now

2017 Classroom
Before You Flip, Consider This

● What is your current grading philosophy?

● Do you like to be “in control” of the content covered in a day?

● Do you feel comfortable letting parents see what you are ACTUALLY teaching?
Resources List

Just a Few...

Teachthought

Educause

Edutopia

NEA
Flipping Allows...

Me to:
- Tailor classroom to specific needs
- Give help on “hard” question once
- Quicken pace of class
- Emphasize learning vs grade
- Assign homework for learning -not for doing
- Eliminate copying homework problems
- Implement Tech into my classroom

My Students to:
- Practice without being punished
- Work at their own pace
- Practice organizational skills
- Become independent learners
- Enter into the digital age
- Take the pressure off of homework
- Miss class without missing valuable instruction
Survey Says...

How did you complete the worksheets for this unit? (22 responses)

- 54.5% I finished them at home and checked my answers in class
- 40.9% I did them in class when we were going over the answers
- I didn't finish them - they are still not done

Responses From Chemistry Students
When did you watch the videos for this unit? (22 responses)

- 63.6% I watched them before they were due
- 22.7% I watched them after they were due
- 13.6% I haven't watched them yet

Responses From Chemistry Students
Which would you rather (22 responses)

- Complete worksheets in class for no grade: 86.4%
- Complete worksheets at home for a grade: 13.6%
So How Do I Get Started?

1. Determine how you want to grade formative assessments
2. Pick your online platform
3. Record and assign
Grading is an Evolution...

**Upper Level Classes:**

100 % Summative
- Tests, quizzes, projects, lab reports

0 % Formative
- Daily worksheets, in class formative checks, flipped video quiz questions

**Lower Level Classes:**

85 % Summative
- Tests, quizzes, projects, lab reports

15 % Formative
- Daily worksheets, in class formative checks, flipped video quiz questions
Examine Your Learning Targets

- Re-examined my learning targets for the unit
- Try to start the videos with the learning targets to align them
  - This is still a work in progress for me
- Reordered and redrafted my powerpoints for LTs
- It’s helpful to have students examine the LTs too
Pick a Platform

Here are two I like—there are many more!

- Both have gradebooks and can have quizzes accompany videos
- Both are Google Classroom compatible
- Both are fairly easy to use

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**Edpuzzle**

Huge Advantage:
Video cannot be skipped or ignored
Easy to edit

Join

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**Edmodo**

Advantage:
Looks like Facebook feed

Join
1. Grab Microphone
2. Launch Smartnotes Recorder
3. Launch Powerpoint, Google Slides, Smartnotebook and record
Tutorial

Here’s a video I made to show you how...

Tutorial
Upload to Edpuzzle
Edit on Edpuzzle

- Can add or remove parts
- Put in bullet points
- Change sound
- Add quiz questions specific to the video
  - Short answer, multiple choice
Review - Characteristics of Chemical Reactions

- So how do I know bonds are broken or formed?
- A NEW SUBSTANCE IS FORMED
  - New substances (Energy produces):
    1. Heat and/or light

Example:
Na + Cl ⇒ NaCl
Na and Cl are the two reactants, NaCl is the one product.
Give two more chemical reactions that occur in your everyday lives—besides the car, camera, cellular respiration examples given. Try to give something more complex than baking a cake...

Identify the following that are single displacement reactions. Pick all that apply.

- AgNO₃ + NaCl → AgCl + NaNO₃ (incorrect)
- Zn + HCl → ZnCl₂ + H₂ (correct)
- K + Cl₂ → KCl (incorrect)
- Br₂ + KI → KBr + I₂ (correct)
- KClO₃ → KCl + O₂ (incorrect)
- Fe + Cu(NO₃)₂ → Fe(NO₃)₂ + Cu (correct)
- Cl₂ + NaBr → NaCl + Br₂ (correct)

Continue
Helpful Hints

● It does NOT have to be perfect!!
● Keep it short- 15 min max
● Give several days for the video to be due
● Generic vs Personalized- your choice
● Save your videos according to numbers and titles

Example: 1Reaction Types, 2% Composition, 3Empirical Formulas
Other Tech Tools

To complement the Flipped:
Be Adaptable

It takes time and lots of tweaking
Apps

- Edpuzzle and Edmodo have Apps
- Helps make the lesson portable
- Excellent for absences
THANKS!

Questions? Mentimeter

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